Notebook, PN-88-00-00

This undated pocket notebook was used by Edison around 1888 for notes on proposed experiments. Included are entries relating to batteries, electric generators, and chemical experiments. The pages are unnumbered. Only 15 pages have been used.

Heat Bottling

Tungstate Soda as Gaud + Boric acid –

Hours chloride Calcium for a liquifier.

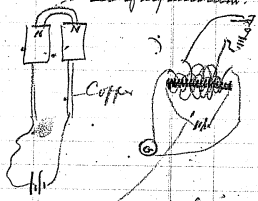
Silica – Soda – + A sulphate

Tri ox Molybdenum or Molybdic acid – melts at red heat to yellow liquid – on cooling ~~solidifies~~ – its ole but in our Valaldizes at its m.p.

Molybdic Cl + Boric Cl Combine –

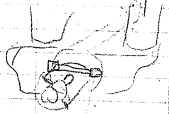
Kennelly -

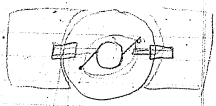
-- see if any attraction.



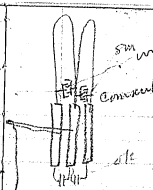
material of iron
core in a coil of
copper fully energized
See if it will attract
iron - electric
induction -

Baldwin Cy



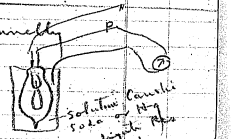


wooden block to shift brushes as load increases



etc, ascertain amount of load required.

Kennelly



Have gone through
of that pine Nickel wires
for inside parts –

See if Ott has tried that
Sample phosphorus wire –

Have Marshall head
with drop of Kerosene
10 Reg Lamps new lamp
bk Vale & have gas put
new sylinoshing Clamps on
Set up 320 C pump

Inflow red lamp Expts may be
the ash = Bottle Carbon in
~~Carb~~ acetate lime – also magnesium
also Caustic soda – also some of
the Willebrooks ? found – Carbon
all the chems – Have gas work and
try heating some of these phosphates
that give off phosphorus – Strike
Tube –

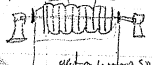
Marshall to work off lamp &
try it red with, Caustic dry
lime instead phosphorus
anhydrous – heat something
with no Vapor tension –

Have Kennelly put
standard Condenser
in Dynamo field
& change wire also
move in front the
gas charge

Also note
Oxy

Home Batch Rig up or Colgate

Hard rubber shell in fused 10 grams
total get stick brush
also pad Hard rubber polished
glass ~~[illegible]~~ fused get
change of Halves [illegible] do
this - 9 feet converted steel
powerful flip-on cards obtained
by



get a jump spark like
pots gumbo recommend

Since I have a great many
Conclusions I solved by that
experiment of putting 20 pt 30
mg across the lines see if it
effects a spark on burning
off a lamp - also on a cathode
wire lamp - also if it flows
blue colored lamp high

Oxychloride Zinc
probably do for covering
Cotton on new mf Ammoniac
wire - Good H_2O
but soil in Amines
readily

when Zinc oxide boiled strong
Sol $ZnCl$ in Certain proportion
plastic mass obtained which
sets after -

a Cement 3 pts ZnO 1 pt
glass powder 5.0 pts $ZnCl$
spec grav 1.5 @ 1.6
with 1 pt Borax divided
in smallest granules 1.28
used for stopping teeth &
anything artificial teeth
precip $ZnCl$ by magnesium
granules ammonia or potassa
or $CaCl$

Discovery

Pyrotartrimide

$C_5H_7NO_2$ - its lead salt is very alkaline &

(2) its solution in water dissolves large quantity oxide lead

The Compound contains

67 pct PbO + 5 pct H_2O

dries up to a gummy mass partially decomposed by water

This might be a good substitute for insulation as its alkaline & a good gelatinizer & useful for many purposes Watts

Vol 4 775

Stearic acid fused with phos anhydride forms yellow mass resembling ~~[illegible]~~ from Stearic acid ~~[illegible]~~ is converted by Nitric acid into brittle waxy mass ~~[illegible]~~

~~as~~ Watts Vol V 416

Work up Oleic a

Combs for Insul & phosp

interesting —

Xantho proteic acid

Action Nitric a on Albumin

Caseiu + horny matter

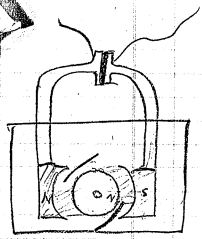
decomposed. Watts V 1053

Sol alkalis

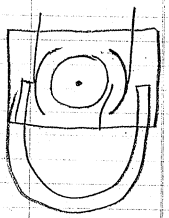
It's a Dough machine
wanted for 2 mines - I guess
the big rather expensive
best thing -
got 3 sets Cornish Rolls
for crushing -

Bone Oil, Dippels
Animal Oil poly
from heating mostly
all amines -
Methyl Ethyl propyl
Butyl
Amyl Pyridine
Picoline Lutidine
Collidine also

~~600~~
~~750~~
1500 00
48.00 — 6000
125.00 — 8
Hop'ton 125.00 — 48000
Switch. 50.00
Wood Hop 50.00
Sieve. 125.00
60.00
Conveyor
Degreasing 450.00
20.00
Wire
14.00
Boots. 100.00
Shuttle pallet 25.00
Pkg. 25.00
Total 1243 00



Electrolytic
Motor for
meters using
iron deposits



Prepared [illegible]
Beat, Metallic w/ Lamp black
without Lamp black or shiny but
warty but with Lamp black
w good - It shrinks considerably
& cracks -

Metallic acid alone
works nice but contracts
[illegible]
Beat with go with grinding
w mulling press, but
Carbon press is completely
dense, & perfect & hard
ground Lamp black — is smooth
fine & body -

1102 g. or 29 Metallic
mixed with Lamp black.
Very fine Carbon early with
Crack or puff — End not Elegant
rather brittle, best got of
[illegible] machine of 2.18